


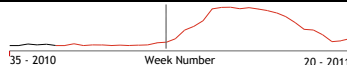











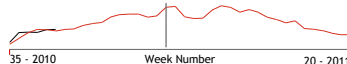












## 2010-2011 Columbus & Franklin County Seasonal Influenza Activity Weekly Summary (Week 40, Oct. 3<sup>rd</sup> - Oct. 9<sup>th</sup>)

### Summary & Highlights

This is the 1<sup>st</sup> local influenza activity summary for the 2010-11 surveillance season. Most of the indicators are similar to their respective averages and are lower than what was seen this same time last season.

- Local Geographic Activity Designation (Click [here](#) for definitions) = LOW
- Preliminary information from medical facility labs reported 236 tests run with 0 positive result for week 40, this percentage positive is lower than the previous week and is similar to the historical baseline average.
- Compared to the previous week, ED visits for influenza-like-illness (ILI) decreased slightly and respiratory symptoms were stable. Pediatric Urgent Care (PUC) visits for influenza-like-illness (ILI) were stable, while respiratory symptoms increased slightly. Figures for ED visits are at or below the historical baseline averages for this time of year.
- Sales of over-the-counter medications were mixed. Compared to the previous week, decreases were seen in thermometer sales; increases in electrolyte, throat lozenges, and chest rub sales; and stable anti-fever and cough and cold medication sales.
- National data for week 40 will be published by the CDC on October 15<sup>th</sup> (<http://www.cdc.gov/flu/weekly/fluactivity.htm>).

### Local Flu Activity Dashboard (All data are preliminary and may change as more reports are received.)

Indicators	Week Number Available	Current Week Value	% Change Chart from Last Week <sup>1</sup> (-)   (+)	# Weeks <sup>2</sup> ▲ • ▼	General Trend Line Chart <sup>7</sup> (red = historical avg., grey = last year)
Medical Facility Lab Data	40	0.0% Pos.	-100% 	1 ▼	
ILI Outpatient Data (Sentinel Medical Sites)	40	0.2% of All Visits	 100%	1 ▲	
EMS Cold/Flu Symptom Runs	40	41 runs	-41.5% 	2 ▲	
School Absences	40	6.0% Absent	-1.7% 	1 •	
Columbus Google Flu Trends: Web Search Data <sup>4</sup>	40	1,069 per 100,000 pop	8.5% 	5 ▲	
Hospital ED Data <sup>3</sup> :					
Complaint Defined as ILI	40	16.8% of All ED Visits	-2.0% 	1 ▼	
Categorized as Respiratory	40	14.2% of All ED Visits	0.3% 	1 •	
Pediatric Urgent Care Data <sup>3</sup> :					
Complaint Defined as ILI	40	48.7% of All PUC Visits	-0.1% 	1 •	
Categorized as Respiratory	40	44.5% of All PUC Visits	3.8% 	2 ▲	
Medication Data:					
OTC Cough & Cold Sales	40	6,357 Total Sales	0.1% 	2 •	
Thermometer	40	90 Total Sales	-17.4% 	1 ▼	
Antiviral Prescriptions	38	0.3% of All Anti-Infectives	-10.9% 	1 ▼	
Confirmed Influenza Associated Hospitalizations	40 (as of 10/12 12:00 PM)	0 Reported (3 Since wk. 35)	-100% 	1 ▼	

Reportable Conditions <sup>6</sup> (Cumulative Numbers as of Oct. 12, 2010, 12:00 PM)	2009	2010 YTD
Influenza Clusters/Outbreaks Reported	1 suspected	0
Influenza Associated Hospitalizations (IAH) Reported (see also Fig. 8)	523	12
IAH Confirmed 2009 Influenza A (H1N1) <sup>5</sup>	267	6
Pediatric Influenza Associated Death Reported	2	0

<sup>1</sup>Interpret with caution. Indicators with small number subject to large weekly percentage fluctuations.

<sup>2</sup> Number of weeks "▲" = Increase (>2%), "▼" = Decrease (>2%), "•" = Stable (-2% to +2%)

<sup>3</sup>Franklin County, OH residents only (based on zipcode).

<sup>4</sup>Data Source: Google Flu Trends (<http://www.google.org/flutrends>), City = Columbus, OH (Experimental). See website for additional details.

<sup>5</sup>Confirmed cases only unless stated otherwise (Based on jurisdiction equal to Franklin County or City of Columbus and date created in ODRS).

<sup>6</sup>Information provided for references (Reportable condition is any influenza associated hospitalization, regardless of influenza type).

<sup>7</sup>Black line is current years data. Based on data availability, red line is historical average, while grey line is last years data only.

### **CDC 122-Cities Mortality Reporting System: Pneumonia and Influenza (P&I) Mortality**

In week 40 of 2010 (Oct. 3<sup>rd</sup>, 2010 – Oct. 9<sup>th</sup>, 2010), 4.7% of all Columbus deaths were reported as due to pneumonia or influenza (Figure 1). National week 40 data P&I mortality was not available at the time of this report.

### **Influenza Morbidity and Influenza-Like Illness (ILI) Reports**

The week 40 preliminary percentage of outpatient visits for ILI at sentinel medical practice reporting sites (<1%) is similar to the historical baseline average. Defined ILI symptom visits in EDs declined slightly compared to the previous week, while PUC visits were stable (Figures 2 & 3). In week 40, the ED percentage of visits for ILI defined symptoms is similar to the average seen in past seasons.

National week 40 outpatient ILI visit data was not available at the time of this report.

### **Laboratory Surveillance**

During week 40 of 2010, reporting Franklin County sentinel medical facility laboratories tested 236 specimens, with 0 positive (Figure 4). The total number of tests done by local reporting labs from week 35 of 2010 through preliminary week 40 of 2010 is 1,159; with 5 (0.43%) positives (2 type A, 3 type B). National and Ohio Department of Health week 40 lab data was not available at the time of this report.

### **ED and Pediatric Urgent Care Respiratory Visits**

In the 40<sup>th</sup> week of 2010, the percentage of all ED visits categorized as *respiratory* (14%) was stable compared to the percentage seen the previous week and is similar to the historic baseline. The percentage of reporting Pediatric Urgent Care visits categorized as *respiratory* (44.5%) was slightly higher than the percentage seen in the previous week (Figure 5) and is lower than the percentage seen this same time last year.

### **Over-the-Counter (OTC) Medication Sales and Antiviral Prescriptions**

In week 40 of 2010, OTC medications sale (Figure 6) volume trends were mixed. Compared to the previous week, decreases were seen in thermometer sales; increases in electrolyte, throat lozenges, and chest rub sales; and stable anti-fever and cough and cold medication sales. In week 38 (latest week available), the percentage of Franklin County pharmacy prescriptions for antivirals out of all anti-infective prescriptions, decreased compared to the previous week and is below the historical baseline average (Figure 7). National week 40 anti-viral data was not available at the time of this report.

### **Additional Influenza Activity Web Links:**

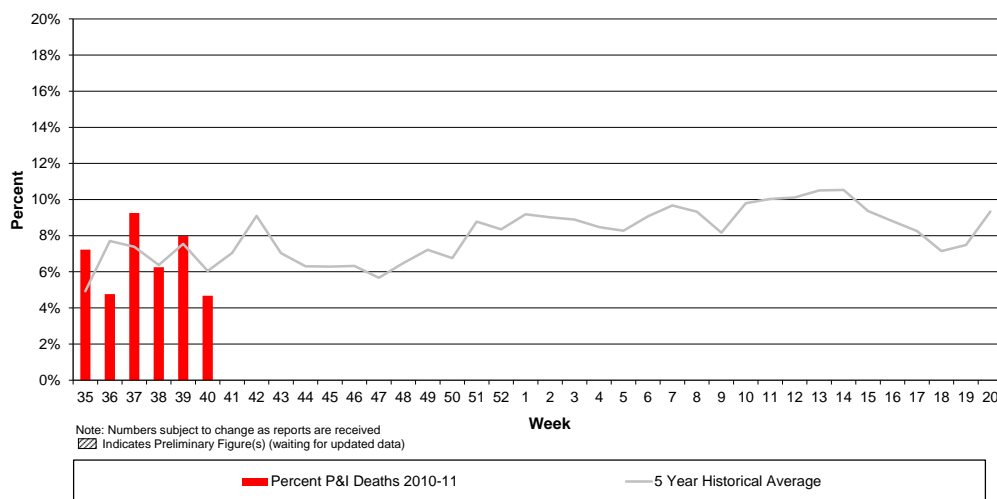
CDC National Seasonal Flu Surveillance Reports: <http://www.cdc.gov/flu/weekly/fluactivity.htm>

CDC International Influenza Activity Map: <http://www.cdc.gov/flu/international/activity.htm>

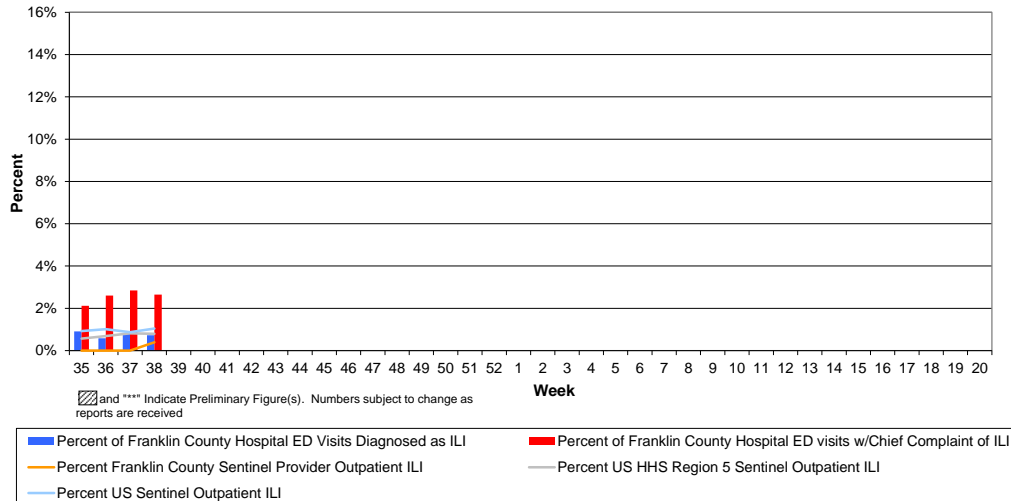
World Health Organization Situation Updates: <http://www.who.int/csr/disease/influenza/update/en/>

## Columbus & Franklin County Influenza Monitoring Summary – Week 40 (10/3/2010-10/9/2010)

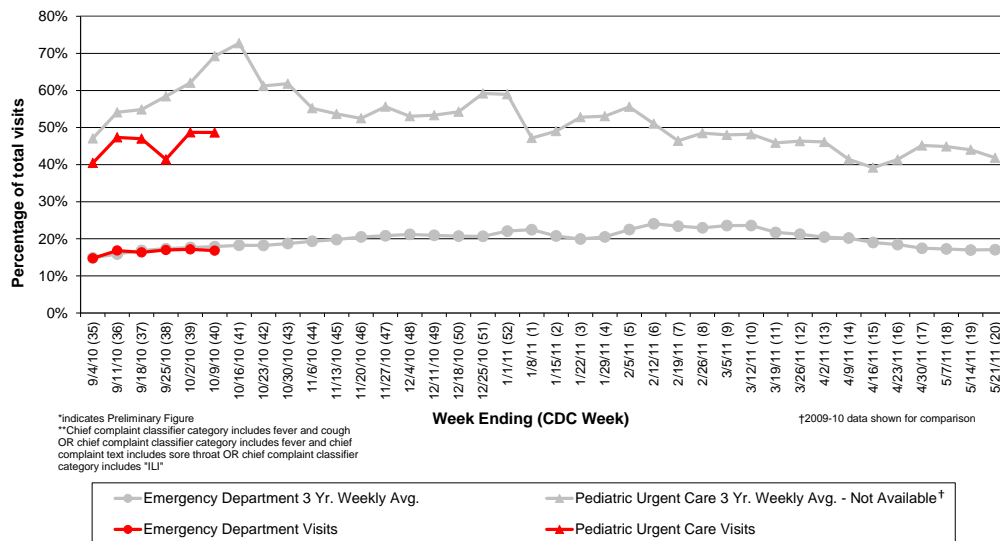
**Figure 1: Percentage of Deaths due to Pneumonia and Influenza  
Columbus, Ohio 2010-11**



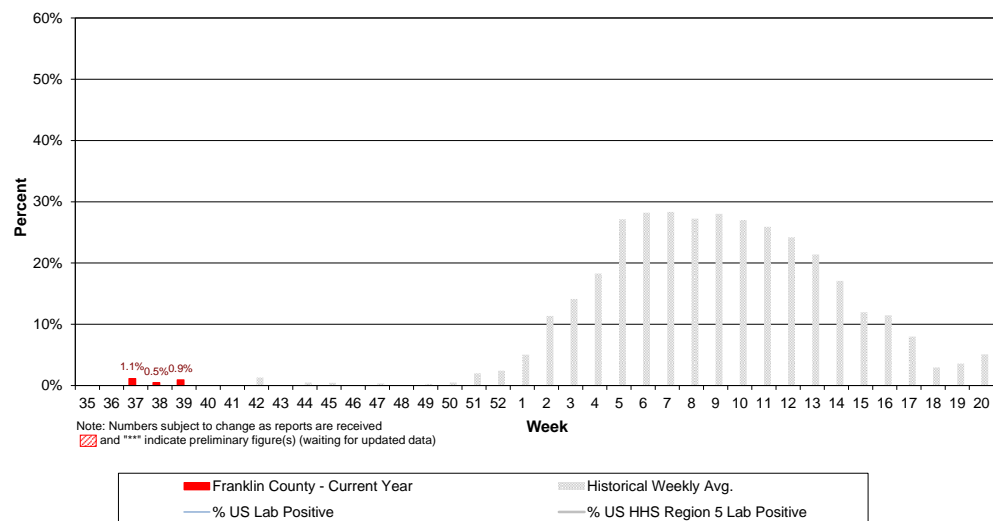
**Figure 2: Percentage of Local, National, and HHS Region 5 ILI Outpatient visits and Percentage of Franklin County Resident BioSense Hospital ILI ED Visits, 2010-11**



**Figure 3: Franklin County Resident ILI Defined\*\* ED and Pediatric Urgent Care Visits, 2010-11, Franklin County, OH**

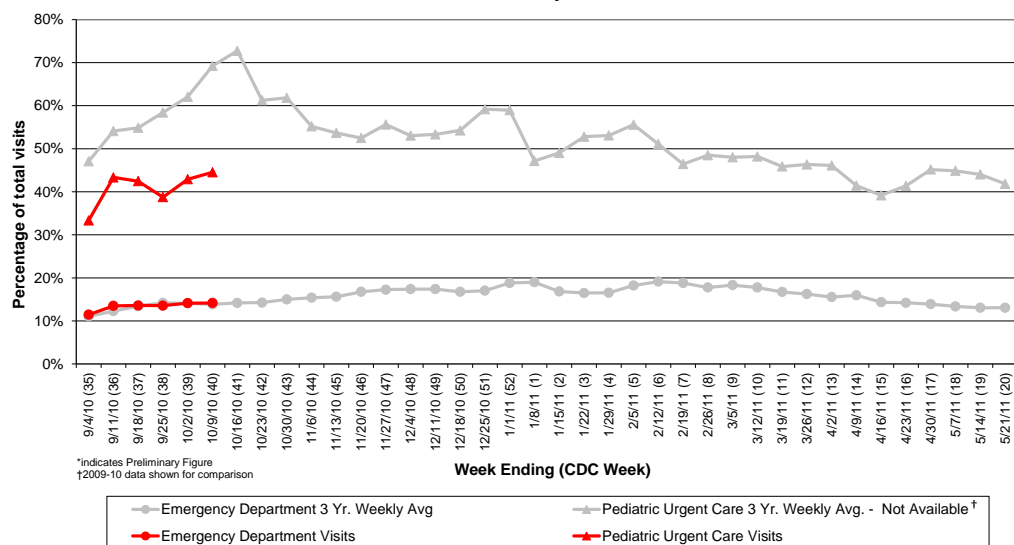


**Figure 4: Percentage of Local Reporting and National Laboratory Positive Influenza Tests by Week, 2010-11**

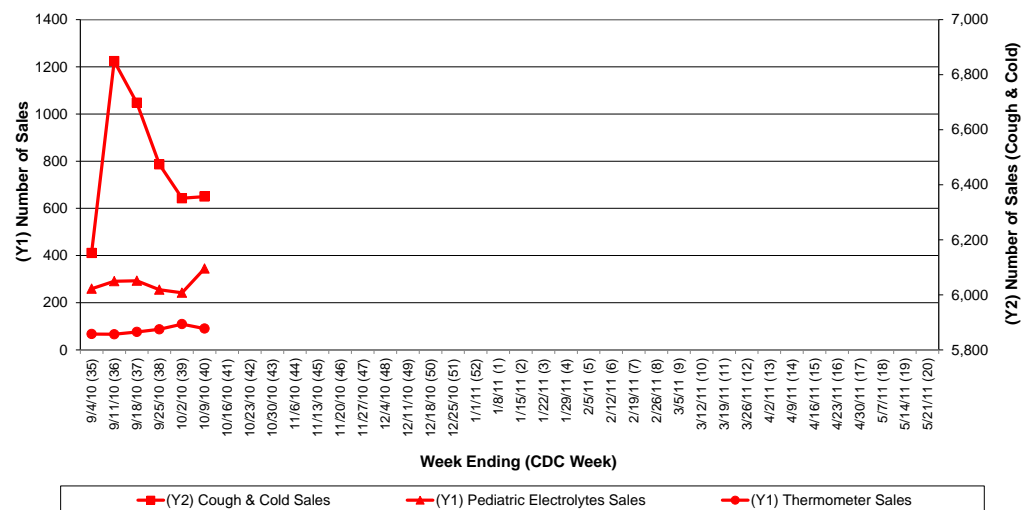


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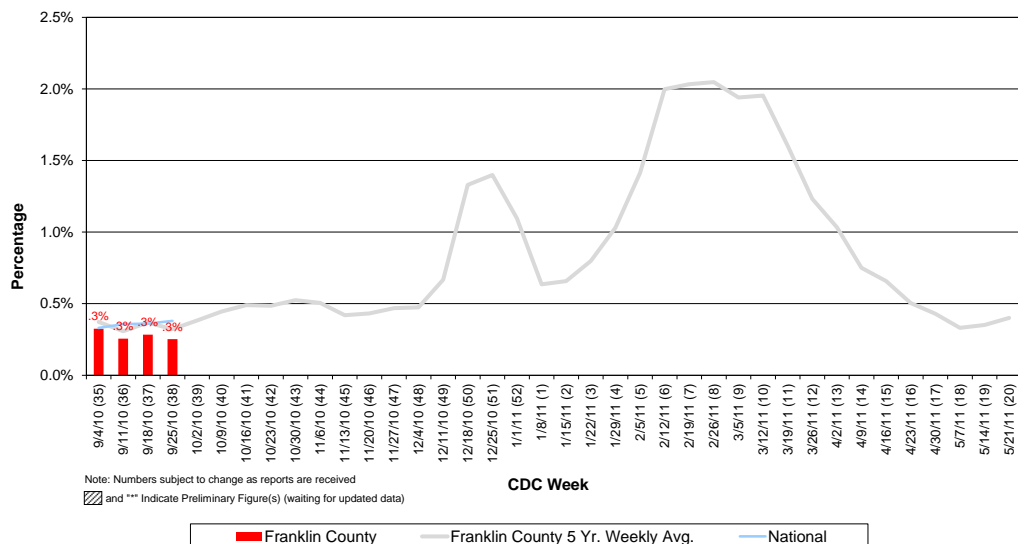
**Figure 5: Franklin County Resident Respiratory ED and Pediatric Urgent Care Visits, 2010-11, Franklin County, OH**



**Figure 6: Selected Number of Over-the-Counter Medication Sales, 2010-11, Franklin County, OH**



**Figure 7: Percentage of Antiviral Prescriptions out of Total Number of Anti-Infective Prescriptions (Selected Pharmacies)**



**Figure 8: Franklin County Confirmed Influenza Associated Hospitalizations by Hospital Admission Week (As of 12:00 PM, 10/12/2010)**

